

Work Order ID 51701

August 28, 2009 6:50:36 AM

SPLIT-1



Page 1

Item ID: D3977-1

Accept



Setup Start



Revision ID: A

Stop



Item Name: Bolt

Start Date: 8/31/09

Start Qty: *5.00*



Cust Item ID:

Required Date: 9/11/09

Req'd Qty: 5.00



Customer:

Reference:

Approvals:

Process Plan: *[Signature]*

Date: *09-09-24*

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3977

A

100

0.00



Purchasing

Memo

0.00

Purchasing

Issue P/O: *10284*
Purchase Part Number: 92356A662
Supplier: McMASTER-CARR
Certificate of conformity is required

CZ 09/08/28 5

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

10/9/31 5

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 51701

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Item ID: D3977-1

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Req'd Qty: 5.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120



QC

Quality Control

QC6- Inspect dimensions to drawing

0.00

⇒ 8/31/09

ⓧ

φ

Memo

0.00

130



Packaging

Packaging

Identify as per dwg & Stock Location: _____

0.00

Memo

0.00

9/9/24 @ 50

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

09/09/25 AJ

MF
09-09-24

125 Drill holes per dwg

SL 09/09/24

126 Qc 5

8/31/24 ⓧ

8/31/09

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

August 28, 2009 6:50:36 AM

Page 1

Work Order ID: 51701



Parent Item: D3977-1RevA



Parent Item Name: Bolt

Start Date: 8/31/09

Required Date: 9/11/09

Comments:

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
92356A662		Purchased	No			110	Each	0.0000	5.0000			

Bolt

MF 09-09-21

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

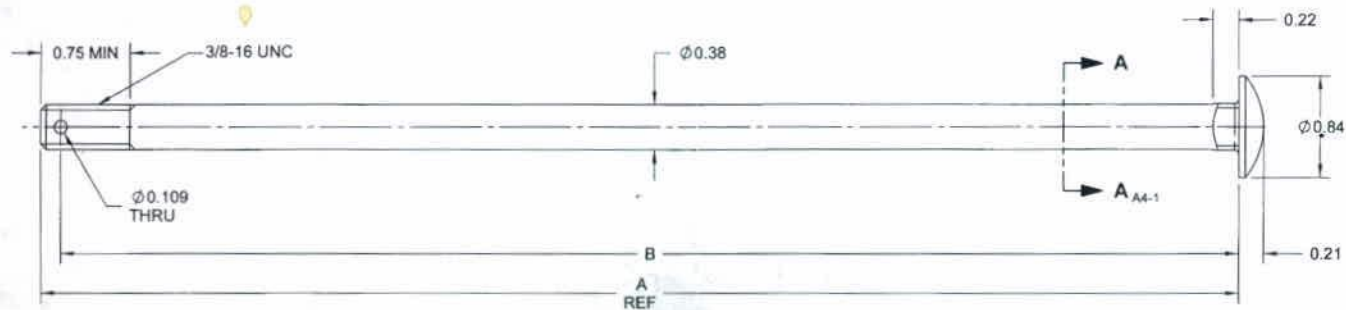
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

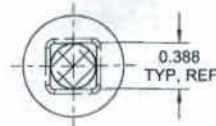
SPECIFICATION CONTROL DRAWING



D3977-X BOLT (CARRIAGE), UNC

DART P/N	A	B	MATERIAL	WEIGHT (lbs)	SUPPLIER	SUPPLIER P/N
D3977-1	10.00	9.830	18-8 STAINLESS STEEL	0.34	McMASTER-CARR	92356A662

*C/L 09/08/28
W/O: 51701*



SECTION A-A C3-1

- NOTES:**
- 1) MATERIAL: SEE TABLE
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: SEE TABLE

RELEASE
09/10/28

REV.	NEW ISSUE	DESCRIPTION	MB	09.07.13
REV.	BY	DATE		
DESIGN				
DRAWN				
CHECKED				
MFG. APPR.				
APPROVED				
DE APPR.				
DATE	09.07.13			

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D3977** REV. A
SHEET 1 OF 1
TITLE **BOLT (CARRIAGE), UNC** SCALE NTS

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McMASTER-CARR®

200 Aurora Industrial Parkway
Aurora OH 44202
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO10284

McMaster-Carr Number
1654247-01

Page 1 of 1

08/28/2009

Line	Description	Ordered	Shipped
3	92198A672 18-8 Stainless Steel Hex Head Cap Screw, 7/16"-14 Thread, 5" Length, Packs of 1	100 Packs	100
2	91525A120 Type 316 Stainless Steel Large-Diameter Flat Washer, 1/4" Screw Size, 1" OD, .04"-.06" Thick, Packs of 25	8 Packs	8
5	91853A031 18-8 Stainless Steel Slotted Castle Nut, 3/8"-16 Thread Size, 9/16" Width, 13/32" Overall Height, Packs of 1	5 Packs	5
1	92311A564 Type 18-8 Stainless Steel Cup Point Socket Set Screw, 1/4"-28 Thread, 1" Length, Packs of 50	4 Packs	4
4	92356A662 18-8 Stainless Steel Round Head Square Neck Carriage Screw, 3/8-16 Thread, 10" Length, Packs of 1	5 Packs	5

A11

2 - 711 - 10	45 - 96	A672	100 PK	3
23 lbs			One EA/PK	
2 - 703 - 02	08 - 79	A120	8 PK	2
2 - 700 - 01	10 - 93	A031	5 PK	5
			One EA/PK	
2 - 699 - 04	06 - 67	A564	4 PK	1
2 - 716				4

Dart Aerospace Ltd

Assembly
Area

11

Cycle

28

Shelf

106

Documents

2

8 or 10/1

EXP

29 lbs
5 line:

FW1WBP2/
08/28/2009
10:48/11:02
054





Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO10284

Purchase Order Date 8/27/09

PO Print Date 8/28/09

Page Number 1 of 2

Order From :

VU-MCM001

MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

FAKED
6/27/09

Contact Name
Vendor Phone 330 995 5500
Vendor Fax 330 9959600
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency USD
FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	92311A564	Set Screw	8/31/09 Yes	✓ 200.00 Each	Purolator ground	\$0.2500	\$50.00
		Special Inst:	AS PER DWG D3533 REV. B B51602 MCMASTER P/N: 92311A564				
2	91525A120	washer	8/31/09 Yes	200.00 Each	Purolator ground	\$0.2400	\$48.00
		Special Inst:	AS PER DWG D3456 REV. A B51653 MCMASTER P/N: 91525A120				
3	7/16-14-050C	SS Bolt 7/16 5" Long	8/31/09 Yes	100.00 Each	Purolator ground	\$2.5696	\$256.96
4	92356A662	Bolt	8/31/09 Yes	5.00 Each	Purolator ground	\$6.0400	\$30.20
		Special Inst:	AS PER DWG D3977 REV. A B51701 MCMASTER P/N: 92356A662				

PO Instructions: PLEASE ADVISE PRICE \$\$\$\$\$\$

8/28/09

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY